

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/04474

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/31 C07K14/245 C12N1/21

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, MEDLINE, WPI Data, CHEM ABS Data, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	O'BRIEN PHILIPPA M ET AL: "Bacterial expression and purification of recombinant bovine Fab fragments." PROTEIN EXPRESSION AND PURIFICATION. UNITED STATES FEB 2002, vol. 24, no. 1, February 2002 (2002-02), pages 43-50, XP002270142 ISSN: 1046-5928 abstract page 49, left-hand column, paragraph 2	1,2,11, 12
X	WO 98 18946 A (GENENTECH INC) 7 May 1998 (1998-05-07) page 6, line 7 - line 8; claims 1-32	1-5,11, 12
X	EP 0 737 747 A (BEHRINGWERKE AG) 16 October 1996 (1996-10-16) abstract; claims 1-6	1-3,11, 12
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

17 February 2004

Date of mailing of the international search report

01/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JONASSON PER ET AL: "Genetic design for facilitated production and recovery of recombinant proteins in Escherichia coli." BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY. ENGLAND APR 2002, vol. 35, no. Pt 2, April 2002 (2002-04), pages 91-105, XP001176638 ISSN: 0885-4513 abstract page 94 -page 99	1-3,11, 12
A	MHATRE R ET AL: "Purification of antibody Fab fragments by cation-exchange chromatography and pH gradient elution" JOURNAL OF CHROMATOGRAPHY A, ELSEVIER SCIENCE, NL, vol. 707, no. 2, 21 July 1995 (1995-07-21), pages 225-231, XP004038812 ISSN: 0021-9673 abstract page 227, left-hand column, paragraph 3	1-3,11, 12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB 03/04474

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9818946	A	07-05-1998	US 5789199 A	04-08-1998
			AU 4816397 A	22-05-1998
			WO 9818946 A1	07-05-1998
			ZA 9709500 A	23-04-1999
EP 0737747	A	16-10-1996	DE 19513676 A1	17-10-1996
			AT 242808 T	15-06-2003
			AU 713427 B2	02-12-1999
			AU 5053796 A	24-10-1996
			CA 2173822 A1	12-10-1996
			DE 59610519 D1	17-07-2003
			DK 737747 T3	22-09-2003
			EP 0737747 A2	16-10-1996
			JP 8289794 A	05-11-1996
			PT 737747 T	31-10-2003
			US 6602688 B1	05-08-2003
			US 6008023 A	28-12-1999

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